Contents of *Animal Feed Science and Technology*, Volume 38

VOL. 38 NO. 1

JULY 1992

Effects of feed restriction on egg production and egg quality of exotic chickens during their second year of production in a Sudano-Sahelian environment	
K.A. Olawuni, C.O. Ubosi and S.O. Alaku (Maiduguri, Nigeria)	1
Nutritive value and ensiling characteristics of maize herbage as influenced by agronomic	
factors	
J.R. Russell, N.A. Irlbeck, A.R. Hallauer and D.R. Buxton (Ames, IA, USA)	11
Tentative explanation of the abnormally high faecal nitrogen-excretion with poor-quality	
roughages treated with ammonia	2.5
L. Hassen (Tunis, Tunisia) and M. Chenost (Ceyrat, France)	25
Sources of variation of the in situ nylon bag technique	
C.J. van der Koelen, A.M. van Vuuren (Lelystad, Netherlands), P.W. Goedhart	
(Wageningen, Netherlands) and G. Savoini (Milan, Italy)	35
Influence of extrusion on ruminal and intestinal disappearance in sacco of pea (Pisum	
sativum) proteins and starch	
P. Walhain, M. Foucart and A. Théwis (Gembloux, Belgium)	43
Substitution of concentrates by ensiled high-moisture maize grain in dairy cattle diets	
D.L. De Brabander, B.G. Cottyn and Ch.V. Boucqué (Melle-Gontrode, Belgium)	57
Effect of sample pretreatment on alfalfa silage dry matter and protein degradability in sacco	
A. Hristov (Kostinbrod, Bulgaria)	69
Ch. A.C	
Short Communications	
Ensiling of cattle waste with desert grass Lasiurus sindicus, millet (Pennisetum typhoides)	
straw, additives and starter culture	7.5
R. Pancholy and P.C. Mali (Jodhpur, India)	/3
The nutritive value of protein of juice extracted from green parts of various plants	0.1
P. Hanczakowski and B. Szymczyk (Balice, Poland)	01
VOL. 38 NOS. 2-3 15 AUGUST	1992
Effects of treating cottonseed meal with a solution of ferrous sulphate on laying hen performance and discolourations in eggs	
S. Panigrahi (Chatham, UK)	89
Commercial enzyme supplementation of wheat-based diets raises ileal glycanase activities	
and improves apparent metabolisable energy, starch and pentosan digestibilities in broiler	
chickens	
G. Annison (Camden, N.S.W., Australia)	105
Effect of dietary protein level and yeast culture on growth, blood prolactin and mohair fibre	

characteristics of British Angora goats	
E.R. Deaville and H. Galbraith (Aberdeen, UK)	123
Nutritional evaluation of sugarcane bagasse based rations treated with urea and cattle manure	125
M.F. Khan, A. Ali and Z.O. Muller (Islamabad, Pakistan)	133
Site and extent of cell-wall neutral monosaccharide digestion in dairy cows receiving diets	
with ear and husk meal maize silages from three different stages of maturity	
KH. Südekum, M. Brandt, T. Vearasilp (Kiel, Germany) and J. Puls (Hamburg,	1.42
Germany)	143
Corn silage supplementation of cows grazing winter oats. Dynamics of digestion and ruminal	
environment J.C. Elizalde, D.H. Rearte and F.J. Santini (Balcarce, Argentina)	161
Hay desiccation and preservation with potassium sorbate, potassium carbonate, sorbic acid	101
and propionic acid	
E.H. Jaster and K.J. Moore (Urbana, IL, USA)	175
Effect of different supplements on the degradability of organic matter, cell wall constituents,	1/3
in vitro gas production and organic matter digestibility of wheat straw	
M.R. Garg and B.N. Gupta (Karnal, India)	197
Influence of various straw-to-concentrate ratios on in sacco dry matter degradability, feed	10/
intake and apparent digestibility in ruminants	
G. Flachoswky and M. Schneider (Jena, Germany)	100
Rumen degradation of some <i>Leguminosae</i> and <i>Graminae</i> roughages: effect of chemical pre-	199
treatment with or without cellulase preparation on dry matter and cell wall disappearance	
E.A. Adebowale and Y. Nakashima (Morioka, Japan)	
Chemical constraints to the use of tropical legumes in animal nutrition	219
J.P.F. D'Mello (Edinburgh, UK)	227
J.P.F. D Melio (Edinourgh, UK)	231
VOI 38 NO 4	1002
VOL. 38 NO. 4 31 AUGUST	1992
	1992
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of	1992
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets. I. The source of supplemental nitrogen	1992
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup	
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets. I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281 293
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark). Nutritional value of cane molasses in diets of grass silage and concentrates fed to sheep D.I. Givens, A.R. Moss and J.M. Everington (Stratford on Avon, UK)	263 281 293
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281 293 305
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281 293 305
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark) Nutritional value of cane molasses in diets of grass silage and concentrates fed to sheep D.I. Givens, A.R. Moss and J.M. Everington (Stratford on Avon, UK) Effects of feeding small amounts of ammonia treated straw on degradation rate and intake of untreated straw B. Manyuchi (Marondera, Zimbabwe), E.R. Ørskov and R.N.B. Kay (Aberdeen, UK) Fermentation characteristics of ensiled seafood wastes and low-quality roughages W.A. Samuels, J.P. Fontenot, V.G. Allen and G.J. Flick (Blacksburg, VA, USA) Chemical treatment of lignocellulosic residues with urea M. Joy, X. Alibés and F. Muñoz (Zaragoza, Spain	263 281 293 305
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281 293 305 319
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281 293 305 319
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281 293 305 319
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark)	263 281 293 305 319 335 335
Factors affecting degradation of barley straw in sacco and microbial activity in the rumen of cows fed fibre-rich diets.I. The source of supplemental nitrogen N.P. Stritzler, B.O. Eggum, B.B. Jensen (Tjele, Denmark) and J. Wolstrup (Copenhagen, Denmark) Nutritional value of cane molasses in diets of grass silage and concentrates fed to sheep D.I. Givens, A.R. Moss and J.M. Everington (Stratford on Avon, UK) Effects of feeding small amounts of ammonia treated straw on degradation rate and intake of untreated straw B. Manyuchi (Marondera, Zimbabwe), E.R. Ørskov and R.N.B. Kay (Aberdeen, UK) Fermentation characteristics of ensiled seafood wastes and low-quality roughages W.A. Samuels, J.P. Fontenot, V.G. Allen and G.J. Flick (Blacksburg, VA, USA) Chemical treatment of lignocellulosic residues with urea M. Joy, X. Alibés and F. Muñoz (Zaragoza, Spain	263 281 293 305 319 335 335

